										į.
		atus for SLR Vulnerability Ass		Casiatu			1			
	Asset Inventory		Infra-	Society	Natural	Data				1
	Complete	Layer	structure	and	Resources	Status	Agency Data Source			ĺ
ıfrastructure		-aye.	Group	Economy			Agency Butta Source			
hese GIS layers will be		Schools (K-16)	X			1	Source: Delaware Department of Education, Delaware Public School	Laver 0 20 2010		
used to assess the	-	1 1					⊣			
exposure of facilities		Fire and Rescue stations	X	X		1	Source: TechniGraphics, Inc., Delaware Fire Stations 2008 Q1, 2008-0			
nd infrastructure that	-	Police stations	X	X		1	Source: DHS (Technigraphics), Delaware Law Enforcement 2009 Q4, 2 Source: FCC, Cellular Tower Locations , 20030427	0091218		—
e critical to residents		Communication/cell towers Telephone switching stations	X	^		0	Source. FCC, Celidial Towel Locations, 20030427			
Delware on a daily	•	Roads	X	Х		1	Source: DelDOT, Road Centerline File, 2008-06-01			
basis and in on an	Ť	Bridges	X	X		1	Source: DelDOT, Road Centerline File, 2008-06-01			
emergency basis.	Ť	Bus Routes	X	Λ		1	Source: DelDOT - DART, DTC TRAPESE Routes and Stops, 20101001			
circingency busisi	Ť	Airports	X			1	HSIP Freedom (DHS); DelDOT - Aviation			
		Railroads - Stations/Lines/Holding					Tish Precash (5115), Selbot Wallah			
		areas	Х			1	Source: USGS, 7.5 minute Digital Line Graphs - Rail, 20100930			ı
	•	Ports and Ferry Terminals	Х	X		1	Source: DNREC - Office of the Secretary, Coastal Zone Heavy Industrie	es, unpublished.		<u> </u>
		sewer pump stations					Kent County Engineering, New Castle County Special Sercvies and	,,		
		The property of the property o	X	Х	Х	1	Sussesex County GIS			1
	_	sewer lines					Kent County Engineering, New Castle County Special Sercvies and			
			Х	Х	Х	1	Sussesex County GIS			1
	_	sewer treatment facilities (WWTP)					Kent County Engineering, New Castle County Special Sercvies and			
			X	Х	Х	1	Sussesex County GIS			ı
	•	Septic Systems	Х	Х	Х	1	Source: DNREC, Delaware Septic Systems (last update 20101123), unp	oublished.		
	0	CSOs	Х			0				
	0	spray irrigation fields	Х			0				
	0	community treatment facilities	Х			0				
	0	Electric generation/distribution	Χ			2	PEPCo - DelMarVa Power - Brianne Jordan			
	•	Hospitals and medical facilities	Х	Х		1	Source: DE Div. of Public Health (UofD - CADSR), Delaware Hospitals,	2011-05-31		
		Emergency Operation Centers	Х	Х		1	Source: DEMA, EOC shapefile, 2011-04-03 [edit by Delaware Coastal F	Programs]		
	0	Emergency Shelters	X			2	UofD - John Laznik			
		Evacuation Routes	Х			1	Source: DelDOT Traffic Management Team (Edwards and Kelcey), 200	07 Evacuation Routes,	2010-15-04	4
	0	Pipelines	Х			1	DOT-PHMSA-National Pipeline management System			
	0	Wells - domestic, public, irrigation,	X	X		1	DNREC-Water Resources-Doug Rambo			1
		industrial	^	^		1				
	0	Water Supply Intakes	X			0				
	0	School Bus Storage	X			0				<u> </u>
		DelDOT Maintenance Yards	Х			1	DelDOT - Mike Kirkpatrick			<u> </u>
	•	Navigation Aids	Х			1	HSIP Freedom (DHS)			—
		Correctional Facilities	Х			1	Source: TechniGraphics, Inc., Delaware Correctional Institutions 2007	⁷ Q4, 2007-11-05		—
	•	National Guard Facilities	Х			1	HSIP Freedom (DHS)			<u> </u>
		Day Care centers	Х			1	Source: UofD - CADSR, Current Day Care Centers, unpublished.			<u> </u>
		Senior Centers	Х			1	Div. of Public Health (UofD - CADSR)			<u> </u>
	•	Nursing Homes	Х			1	Div. of Public Health (UofD - CADSR)			
	•	Refineries	Х	Х		1	Source: DNREC - Office of the Secretary, Coastal Zone Heavy Industria	l Facilities (20110321)	, unpublishe	ed.
		Factories	X	X		1	Source: EPA, EPA Facilities Toxics Release Inventory, 200802122			—
		SIRB (superfund, HSCA)	Х	Х		1	Source: DNREC - SIRB, Site Investigation and Remediation Database, L	ınpublished.		—
	•	Leaking Underground Storage Tanks	Х			1	DNREC, Leaking Underground Storage Tanks, 2010-11-15			<u></u>
	•	Underground Storage Tanks	Х			1	Source: DNREC, Underground Storage Tanks, 2010-10-27			
	•	Brownfields	Х			1	Source: DNREC, Brownfields GIS Layer, 2010-10-27			
	0	Waste Processing Plants/Recycling	X	Х		2	DNREC mapservice			ı
		Facilities	^	^		2				i .

	Asset		Infra-	Society	Natural	Data			
	Inventory Complete	Layer	structure Group	and Economy	Resources	Status	Agency Data Source		
	•	Salvage Yards	Х			1	Source: DNREC, Salvage Yards GIS Layer, 2010-10-27		
		Haz Waste Generator	Х			1	Source: DNREC, HazWasteGenerator GIS layer, 2010-11-16		
	•	Landfills	Х	Х		1	Source: DNREC, Landfills GIS Layer, 2010-09-28		
		Marinas and Boat Launches	Х			1	Source: DNREC - Fish and Wildlife, Ramps and Piers (20080603), unpublished.		
		Dikes, Dams and Levees	Χ			1	Source: DNREC - Dam Safety Program, Dams and Dikes of Delaware, unpublished		
	0	Tide Gates	Χ			2			
	0	Tide Gauges	Χ			2			
	0	Public Utilities	X	X		0			
	0	Private Utilities	X	X		0			
	0	Wind Generation	X			0			
		Cemetaries	Χ			1	Source: USGS, Geographic Names Information System, 20110615		
	•	Government Buildings	Х			1	Source: DHS (TechniGraphics, Inc.), Delaware State Government Buildings, 2008-02-13		
Econony & Communitiy Analysis									
These GIS layers will be		Poverty Status - Persons above or					NOAA STICS - 2000 Census	+	\vdash
used to assess the	•	below poverty line		Х		1			
exposure of sensitive	0	Age - Persons in certain age groups					NOAA STICS - 2000 Census		
populations and the	0			Х		1			
economic sector to sea		Population - Persons (Total, white,					NOAA STICS - 2000 Census		
level rise	•	black, NA, Asian, Pacific, Other, 2+)		Х		1			
		Household Language - Persons 5					NOAA STICS - 2000 Census		
	•	and over (English, Spanish, Other)		X		1			
		Education Attainment - Persons 25					NOAA STICS - 2000 Census		
		and over (Less than 12th, High							
		School Grad, Some		Χ		1			
		ollege/Associates Degree,							
		Bachelors/Graduate Degree							
	•	Housing Units - Occupancy/Vacancy		х		1	NOAA STICS - 2000 Census		
		Housing Units - Owner/Renter					NOAA STICS - 2000 Census	+	+
	•	Occupied		Х		1	NOAN STICE 2000 CETISUS		
		Automobiles - Occupied housing					NOAA STICS - 2000 Census		
		Units with vehicle available (1, 2, 3		Х		1			
		or more)							
	•	Housing Units -Housing Units in		٧,		1	NOAA STICS - 2000 Census		
		mobile homes, trailers, others		Х		1			<u> </u>
	0	Income - Median Household and		Х		1	NOAA STICS - 2000 Census		
		Per Capita		Α		1			
	•	Families w/ Female Head & Children < 18		Х		1	NOAA STICS - 2000 Census		
	•	Families w/ children < 18		Х		1	NOAA STICS - 2000 Census	1	
		Delaware Environmental Justice					WILMAPCO (2000 Census)	1	
	0	Communites		Х		1			
	0	CZ Heavy Industrial Sites		Х		1	DNREC-CZM		
		Land use		Х		1	datamil.delaware.gov		
	0	Zoning		Χ		0			
	0	Large Employers		X		3			
	0	Employment by Economic Sector		X		3			

Asset Inventory Complete	Layer	Infra- structure	Society and	Natural Resources	Data Status	Azanan Data Cauras		
<u> </u>	· · · · · · · · · · · · · · · · · · ·	Group	Economy			Agency Data Source		
0	Annual Payroll by Sector		Х		3			
0	Annual Sales		X		3			
0	Receipts		X		3			
0	Shipments by Sector		X		3			
0	Rental Properties		X		3			
0	Tourist Destinations		X		3			
0	Building Footprints		X		3			
0	Residential Homes		X		3			
	Built and not built areas		X		3			
0	Developed and non-deveolopable		X		3			
	Impermiable Surfaces		Χ	X	1	Source: Office of State Planning Coordination-OMB, 2007 Impervious Surface Da	ta, 2008-05-18	
0	Water Franchises		Х		0			
0	Special Overlay Zones		X		0			
	Inundated State Landmass		Х		1	Source: USGS and Delaware Geologic Survey, State Outline (Area), 2007-04-01		
0	Saltwater Intrusion Areas		Х		3			
0	Floor Elevation Levels		X		3			
0	DNREC Facilities-parks, beaches	Х	Χ		2			
0	USGS [FEMA??] floodplains		X		0			
0	Maps where insurance is available		х		0			
0	Recurring Damage Claims		Х		0			
0	Rating Schedules		Х		0			
0	Data for buildings that have made claims		Х		0			
0	"Pre-FIRM" maps		X		0			
0	Date structure was built		Х		2			
0	Tax Assessment Data		Х		2			
0	911 addressing		Х		2			
0	Commercial Buildings		Х		2			
0	Water Dependent Businesses		Х		3			
0	Employment, revenue, tax		Х		3			
0	Affordable Housing communities		Х		0			
0	Senior Housing		Х		0			
0	Zip Codes		Х		1			
•	Ag Data - acreage and crop/animal types and economic impact		Х	Х	1	Dept of Ag, Ed Ratledge-UD, DEDO, Conservation districts Productive Soils data from USDA		
							10 0000 07 17	
	Ag facilities/infrastructure		X	Х	1	Source: Delaware Geographic Data Committee, 2007 Delaware Land Use and Lar	na Cover, 2008-05-19	
0	Manure Sheds		X		0			
0	Buffer Regs		X		0			
	Tax Ditches		Х		2			
•	Agland Preservation/Easements		Х	Х	1	Source: Del. Dept. of Agriculture, State Ag Easements, 2010-09-17		
•	State Planning Investment Layers		х	х	1	Source: Delaware Office of State Planning Coordination, Investment Levels, Dela	ware State Strategies f	for State Po
•	Historic and Cultural resources			Х	1	Source: Delaware State Historic Preservation Office, CRS Inventory, unpublished	i.	
0	Irrigation systems/shallow wells		х		0			
			^		U			

	Asset Inventory Complete	Layer	Infra- structure Group	Society and Economy	Natural Resources	Data Status	Agency Data Source	
Natural Resource								
Analysis	•	Wetlands			Х	1	Source: DNREC, De Wetlands 20100901 PD6, 2010-09-01	
		State Protected Areas			X	1	Source: DNREC - Parks and Recreation, Outdoor Recreation Inventory (2009), unpublished	
	-	Recharge Areas			X	1	DNREC, Recharge Areas, 2010-10-27	
		Wellhead Protection Areas			X	1	Sources: DNREC, Statewide WHPA 2009, 2009-09-29	
	-	Natural Areas			X	1	Source: DNREC, Statewide WHPA 2009, 2009-09-29 Source: DNREC - Parks and Recreation, Outdoor Recreation Inventory (2009), unpublished	
		Habitats of Conservation Concern			X	1	Source: DNREC - Natural Heritage Program, Habitats of conservation Concern (2011), unpublished	
	-	Nature_Preserves			X	1	Source: DNREC Division of Parks and Recreation, Nature Preserves (2008), unpublished	
		Salt Line/Salt water intrusion		X	X	3	Source. Division of Parks and Recreation, Nature Preserves (2008), unpublished	
		Coastal Impoundments		۸	X	1	Source: Delaware Coastal Programs, Impoundments (2010), unpublished.	
		Septic Systems	X		X	1	Source: DNREC, Delaware Septic Systems (last update 20101123), unpublished.	
		Depth to Water Table	^		X	0	Source. Divided, Delaware Septic Systems (last update 20101125), dispublished.	
		Stormwater Management			^	U		
	0	Strucutures			X	0		
	•	Public Access Sites (ORI2009)			Х	1	Source: DNREC - Parks and Recreation, Outdoor Recreation Inventory (2009), unpublished	
	ŏ	Conservation Easements			X	1	Source: DNREC Division of Parks and Recreation, Conservation Easements (2010), unpublished	
	Ŏ	Forests			X	1	Source: Delaware Geographic Data Committee, 2007 Delaware Land Use and Land Cover, 2008-05-19	
	<u> </u>	DNERR			X	1	Source: Delaware Goographic Data Committee, 2007 Delaware Land Ose and Land Cover, 2008-03-19 Source: Delaware Coastal Programs, DNERR Boundary (2010), unpublished.	
		DIVERN			Α		Source. Delaware Coastar Frograms, DNERR Boundary (2010), unpublished.	
	_							
	0	Turbidity, nutrient changes, salinity			X	3		
	0	Head of tide			Х	3		
		Increased Extent of storm surges						
	0	and habitat changes			Х	3		
		Ü			.,			
	0	Fisheries info, EFH, nursery habitat			Х	0		
	0	Shellfish maps			Х	0		
	0	Freshwater mussels			Х	0		
	0	Site Specific species migration			Х	2		
		studies			۸	3		
	0	Map physical barriers to wetland			Х	3		
	Ü	migration						
	0	Marsh Vulnerability Index			X	3		
	0	Model marsh response to SLR			X	3		
	0	Wetland to Forest migration maps			Х	3		
		from TNC						
	0	Economic Value of hunting and			Х	3		
		fishing				-		
Summary Info		T	4 **					
		Total Data Layers	140					
	_	Data Layers Collected	75					\longrightarrow
	•	Data Layers Analyzed	68					
	<u> </u>	Data Layers Pending	11					\longrightarrow
		Data Layers Not Collected	28					
		Larger research needed	26					